

Submit 3 Copies To Appropriate District Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-103  
June 19, 2008

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. <b>30-045-29750</b>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <b>XTO ENERGY INC.</b>		6. State Oil & Gas Lease No. <b>B 11242-47</b>
3. Address of Operator <b>382 CR 3100 AZTEC, NM 87410</b>		7. Lease Name or Unit Agreement Name: <b>WF STATE 16</b>
4. Well Location Unit Letter <b>M</b> <b>930</b> feet from the <b>SOUTH</b> line and <b>1115</b> feet from the <b>WEST</b> line Section <b>16</b> Township <b>30N</b> Range <b>14W</b> NMPM <b>SAN JUAN</b> County <b>NM</b>		8. Well Number <b>#1</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>5617' GL</b>		9. OGRID Number <b>5380</b>
		10. Pool name or Wildcat <b>BASIN FC/HARPER HILL FR SAND PC</b>

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO Energy Inc. proposes to plug and abandon this well per the attached procedure and will be using a Closed Loop System. Please see also the attached current and proposed wellbore diagrams.

\* Adjust Fracture plug to 750-850 ft

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Sherry J. Morrow TITLE REGULATORY ANALYST DATE 6/9/2014

Type or print name SHERRY J. MORROW E-mail address: \_\_\_\_\_ PHONE 505-333-3630

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, DATE 7/7/14

Conditions of Approval (if any):

AV

**WF State 16 #1  
Sec 16, T 30 N, R 14 W  
San Juan County, New Mexico  
5/29/2014**

**Plug and Abandon Procedure**

**AFE Number:** 1405121 (FC), 1405122 (PC)  
**Spud Date:** 12/17/1998  
**Surface Casing:** 7", 20#, J-55 csg @ 128'. Cmt'd w/50 sx. Circ cmt to surf.  
**Production Casing:** 4-1/2", 10.5#, J-55 csg @ 1,320'. Cmt'd w/140 sx. Circ cmt to surf.  
*Capacity: .0159 bbls/ft or .6699 gal/ft*  
**Production Tubing:** 2-3/8" string  
**Rod String:** 3/4" string  
**Pump:** 2" tubing pump  
**Perforations:** Fruitland Coal: 1,152' – 1,162'  
Pictured Cliffs: 1,170' – 1,186'  
**PBTD:** 1,280'  
**Recent Production:** INA since 2/29/2012. 0 mcfpd, 0 bwpd (downhole failure).

*\*Notify NMOCD & BLM 24 hours prior to beginning plugging operations\**

1. Check for COA's and approved NOI before beginning operations.
2. Test rig anchors.
3. Set flowback tank.
4. MIRU completion rig. Review JSA.
5. Kill well.
6. TOH & LD rods.
7. ND WH. NU & FT BOP.
8. TOH & LD tubing and pump.
9. TIH 3-7/8" bit & 3-7/8" string mill to 1,152' on 2-3/8" workstring. TOH.
10. TIH 4-1/2" CR and set @  $\pm 1,110'$ . PT tubing. Sting out of CR and circulate hole clean.

11. PT casing and CR to 550 psig. If casing does not test, contact engineer.
12. MIRU cement truck. Review JSA.
13. **Perforation Isolation Plug (1,110' – 1,060')**: Pump 10 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 1,110' – 1,060' (volume calculated with 50' excess).
14. **Fruitland Coal Top Plug (672' – 572')**: Pump 15 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 672' – 572' (volume calculated with 50' excess).
15. **Surface Plug (178' – Surface)**: Pump 20 sx Class "B" cement (15.6 ppg, 1.18 cuft/sx yield) down tubing and spot a balanced plug from 178' – Surface (volume calculated with 50' excess).
16. TOH & LD tubing.
17. RDMO cement truck.
18. WOC 4 hours.
19. Cut off WH. Fill in casing as needed with cement. Install above ground P&A marker.
20. Cut off anchors and reclaim location.

## **Checklist**

### Regulatory:

1. NOI to P&A on form C-103
2. Submit a post-work sundry on form C-103 which details the P&A work and location work within 30 days of completing all required restoration work.

### Equipment:

1. 1 flowback tank
2. 1,200' 2-3/8" workstring
3. 4-1/2" cement retainer
4. 3-7/8" string mill
5. 45 sx Class "B" cement
6. 1 above ground marker

### Services:

1. Completion rig
2. Cement truck



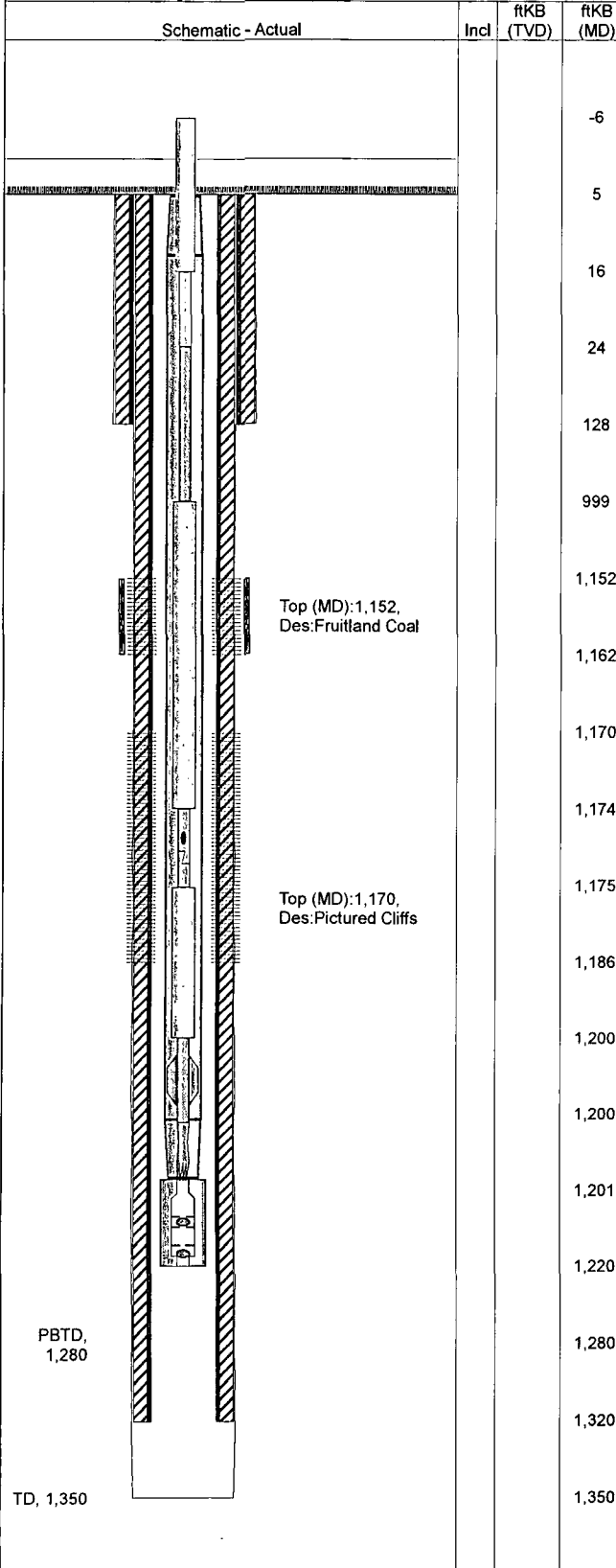
# XTO - Wellbore Diagram

## Current

Well Name: WF State 16-01

API/UWI 30045297500000	E/W Dist (ft) 1,115.0	E/W Ref FWL	N/S Dist (ft) 930.0	N/S Ref FSL	Location T30N-R14W-S16	Field Name Basin Fruitland Coal	County San Juan	State/Province New Mexico
Well Configuration Type Vertical	XTO ID B 77671	Orig KB Elev (ft) 5,622.00	Gr Elev (ft) 5,617.00	KB-Grd (ft) 5.00	Spud Date 12/17/1998	PBTD (All) (ftKB) Original Hole - 1280.0	Total Depth (ftKB) 1,350.0	Method Of Production Beam

Well Config: Vertical - Original Hole, 5/30/2014 5:03:05 PM



Zones						
Zone		Top (ftKB)			Btm (ftKB)	
Fruitland Coal		1,152.0			1,162.0	
Pictured Cliffs		1,170.0			1,186.0	
Casing Strings						
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...	
Surface	7	20.00	K-55	ST&C	128.0	
Casing Description	OD (in)	Wt (lbs/ft)	String Grade	Top Connection	Set Depth (ftK...	
Production	4 1/2	10.50	J-55		1,320.0	
Cement						
Description	Type			String		
Surface Casing Cement	casing			Surface, 128.0ftKB		
Comment						
Cmt 50 sx. Cric cmt to surf.						
Description	Type			String		
Production Casing Cement	casing			Production, 1,320.0ftKB		
Comment						
Cmt 140 sx. Circ cmt to surf.						
Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Hole Diameter (in)	Phasing (°)	Curr... Status
3/5/1999	1,152.0	1,162.0	4.0	0.300		Fruitland Coal
2/27/1999	1,170.0	1,186.0	4.0	0.300		Pictured Cliffs
Tubing Strings						
Tubing Description		Run Date			Set Depth (ftKB)	
Tubing - Production		12/12/2007			1,219.7	
Tubing Components						
Item Description	Jts	Model	OD (in)	Wt (lbs/...	Top Thread	Len (ft)
Tubing	37	T&C Upset	2 3/8	4.70	J-55	1,195.69
Tubing Barrel Pump	1		2 7/8			19.00
Rods						
Rod Description		Run Date		String Length (ft)		Set Depth (ftKB)
Rod String		12/12/2007		1,206.50		1,200.7
Rod Components						
Item Description	Jts	Model	OD (in)	Grade	Len (ft)	Top (ftKB)
Polished Rod	1		1 1/4		22.00	-5.8
Rod Sub	1		3/4	D	8.00	16.2
Sucker Rod	39	WCN-78	3/4	D	975.00	24.2
Sinker Bar	7		1 1/2	C	175.00	999.2
Shear Tool - 13K	1		3/4		0.50	1,174.2
Sinker Bar	1		1 1/2	C	25.00	1,174.7
Spiral Rod Guide	1		3/4		0.50	1,199.7
On-Off Tool	1		3/4		0.50	1,200.2
Stimulations & Treatments						
Frac Start Date	Top Perf (ft...	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)
2/28/1999	1170	1186		39,235.0	30	781.0
MTP (psi)						
2,22...						
ISIP (psi)						
742.0						
Comment						
BD w/20# lin gel pre-pad, frac w/70Q N2 foamed 20# lin gel & 16/30 AZ sd. WO reports show that gel did not break.						
Frac Start Date	Top Perf (ft...	Bottom Pe...	V (slurry) (...)	Total Prop...	AIR (b...	ATP (psi)
3/6/1999	1152	1162		40,825.0	20	1,141.0
MTP (psi)						
1,67...						
ISIP (psi)						
1,100.0						
Comment						
RBP @ 1,167'. BD w/20# lin gel pre pad, frac w/70Q N2 foamed 20# lin gel & 20/40 AZ sd.						

WF Federal 16 #1  
Sec 16, T 30 N, R 14 W  
San Juan County, New Mexico

Proposed P&A Diagram

KB: 5,622'  
GL: 5,617'  
KB CORR: 5'

8-3/4" HOLE

7", 20#, J-55 CSG @ 128'  
CMT'D W/50 SX  
CIRC CMT TO SURF.

6-1/4" HOLE

**PLUG #3: CMT FR/178' - SURFACE  
(20 SX)**

FRUITLAND COAL TOP @ 622'

**PLUG #2: CMT FR/672' - 572' (15 SX)**

**PLUG #1: CMT FR/1,110' - 1,060' (10 SX)**

**CR @ 1,110'**

FC FR/1,152' - 1,162'

PICTURED CLIFFS TOP @ 1,168'

PC FR/1,170' - 1,186'

PBTD 1,280'  
TD 1,350'

4-1/2", 10.5#, J-55 CSG @ 1,320'  
CMT'D W/140 SX  
CIRC CMT TO SURF.

